

ABSTRACT

A wide area load sharing control system includes a statistic information gathering module obtaining from respective nodes, as statistic information, a traffic state
5 of links connected to the respective nodes in a network, a route determining module determining, based on the obtained statistic information, at least one route for extending a plurality of paths between ingress edge nodes and egress edge nodes that correspond to within a traffic engineering
10 section in the network, and a load sharing determining module determining, based on the obtained statistic information, a ratio at which a traffic should be distributed to respective paths on the determined route. Active modules among the statistic information gathering module, the route
15 determining module and the load sharing determining module are switched over to between the ingress edge nodes and the network control device concentratedly controlling the respective nodes, mutually.